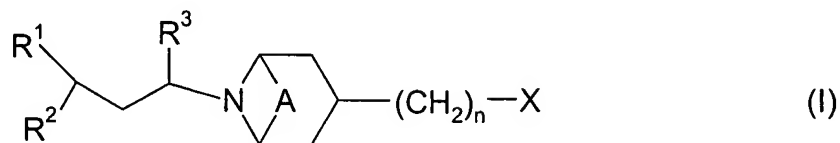


Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) A compound of formula (I):



wherein:

A is absent or is (CH₂)₂;

R¹ is C(O)NR¹⁰R¹¹, C(O)₂R¹², NR¹³C(O)R¹⁴, NR¹⁵C(O)NR¹⁶R¹⁷, NR¹⁸C(O)₂R¹⁹, heterocyclyl (for example piperidine, piperazine, pyrrolidine or azetidine), aryl, cycloalkyl or heteroaryl;

R¹⁰, R¹³, R¹⁵, R¹⁶ and R¹⁸ are hydrogen or C₁₋₆ alkyl;

R¹¹, R¹², R¹⁴, R¹⁷ and R¹⁹ are C₁₋₈ alkyl (optionally substituted by halo, hydroxy, C₁₋₆ alkoxy, C₁₋₆ haloalkoxy, C₃₋₆ cycloalkyl (optionally substituted by halo), C₅₋₆ cycloalkenyl, S(C₁₋₄ alkyl), S(O)(C₁₋₄ alkyl), S(O)₂(C₁₋₄ alkyl), heteroaryl, aryl, heteroaryloxy or aryloxy), aryl, heteroaryl, C₃₋₇ cycloalkyl (optionally substituted by halo or C₁₋₄ alkyl), C₄₋₇ cycloalkyl fused to a phenyl ring, C₅₋₇ cycloalkenyl, or, heterocyclyl (itself optionally substituted by oxo, C(O)(C₁₋₆ alkyl), S(O)_k(C₁₋₆ alkyl), halo or C₁₋₄ alkyl); or R¹¹, R¹², R¹⁴ and R¹⁷ can also be hydrogen;
or R¹⁰ and R¹¹, and/or R¹⁶ and R¹⁷ may join to form a 4-, 5- or 6-membered ring which optionally includes a nitrogen, oxygen or sulphur atom, said ring being optionally substituted by C₁₋₆ alkyl, S(O)_l(C₁₋₆ alkyl) or C(O)(C₁₋₆ alkyl);

R^2 is phenyl, heteroaryl or C_{3-7} cycloalkyl;

R^3 is H or C_{1-4} alkyl;

X is $S(O)_2NR^4R^5$ or $NR^6S(O)_2R^7$;

R^7 is aryl, heteroaryl, C_{1-6} alkyl, C_{3-7} cycloalkyl, heterocyclyl or NR^8R^9 wherein NR^8R^9 can be cyclized to form a 4-, 5- or 6-membered ring which optionally includes a nitrogen, oxygen or sulphur atom, said ring being optionally substituted by C_{1-6} alkyl, $S(O)_p(C_{1-6}$ alkyl) or $C(O)(C_{1-6}$ alkyl);

R^4 and R^8 are aryl, heteroaryl, C_{1-6} alkyl (optionally substituted by hydroxy or C_{1-6} alkoxy), C_{3-7} cycloalkyl or heterocyclyl;

R^5 , R^6 and R^9 are, independently, hydrogen or C_{1-6} alkyl;

n is 1, 2 or 3;

aryl, phenyl and heteroaryl moieties are independently optionally substituted by one or more of halo, cyano, nitro, hydroxy, $OC(O)NR^{20}R^{21}$, $NR^{22}R^{23}$, $NR^{24}C(O)R^{25}$, $NR^{26}C(O)NR^{27}R^{28}$, $S(O)_2NR^{29}R^{30}$, $NR^{31}S(O)_2R^{32}$, $C(O)NR^{33}R^{34}$, CO_2R^{36} , $NR^{37}CO_2R^{38}$, $S(O)_qR^{39}$, $OS(O)_2R^{49}$, C_{1-6} alkyl (optionally mono-substituted by $S(O)_2R^{50}$ or $C(O)NR^{51}R^{52}$), C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, C_{1-6} haloalkyl, C_{1-6} alkoxy(C_{1-6})alkyl, C_{1-6} alkoxy, C_{1-6} haloalkoxy, phenyl, phenyl(C_{1-4})alkyl, phenoxy, phenylthio, phenylS(O), phenylS(O)₂, phenyl(C_{1-4})alkoxy, heteroaryl, heteroaryl(C_{1-4})alkyl, heteroaryloxy or heteroaryl(C_{1-4})alkoxy; wherein any of the immediately foregoing phenyl and heteroaryl moieties are optionally substituted with halo, hydroxy, nitro, $S(C_{1-4}$ alkyl), $S(O)(C_{1-4}$ alkyl), $S(O)_2(C_{1-4}$ alkyl), $S(O)_2NH_2$, $S(O)_2NH(C_{1-4}$ alkyl), $S(O)_2N(C_{1-4}$ alkyl)₂, cyano, C_{1-4} alkyl, C_{1-4} alkoxy, $C(O)NH_2$, $C(O)NH(C_{1-4}$ alkyl), $C(O)N(C_{1-4}$ alkyl)₂, CO_2H , $CO_2(C_{1-4}$ alkyl), $NHC(O)(C_{1-4}$ alkyl), $NHS(O)_2(C_{1-4}$ alkyl), CF_3 or OCF_3 ; unless otherwise stated heterocyclyl is optionally substituted by C_{1-6} alkyl [optionally substituted by phenyl {which itself optionally substituted by halo, C_{1-4} alkyl, C_{1-4} alkoxy, cyano, nitro, CF_3 , OCF_3 , $(C_{1-4}$ alkyl) $C(O)NH$, $S(O)_2NH_2$, C_{1-4} alkylthio, $S(O)(C_{1-4}$ alkyl) or $S(O)_2(C_{1-4}$ alkyl)} or heteroaryl {which itself optionally substituted by halo, C_{1-4} alkyl, C_{1-4} alkoxy, cyano, nitro, CF_3 , $(C_{1-4}$ alkyl) $C(O)NH$, $S(O)_2NH_2$, C_{1-4} alkylthio, $S(O)(C_{1-4}$

alkyl) or S(O)₂(C₁₋₄ alkyl)}], phenyl {optionally substituted by halo, C₁₋₄ alkyl, C₁₋₄ alkoxy, cyano, nitro, CF₃, OCF₃, (C₁₋₄ alkyl)C(O)NH, S(O)₂NH₂, C₁₋₄ alkylthio, S(O)(C₁₋₄ alkyl) or S(O)₂(C₁₋₄ alkyl)}, heteroaryl {optionally substituted by halo, C₁₋₄ alkyl, C₁₋₄ alkoxy, cyano, nitro, CF₃, (C₁₋₄ alkyl)C(O)NH, S(O)₂NH₂, C₁₋₄ alkylthio, S(O)(C₁₋₄ alkyl) or S(O)₂(C₁₋₄ alkyl)}, S(O)₂NR⁴⁰R⁴¹, C(O)R⁴², C(O)₂(C₁₋₆ alkyl) (such as tert-butoxycarbonyl), C(O)₂(phenyl(C₁₋₂ alkyl)) (such as benzyloxycarbonyl), C(O)NHR⁴³, S(O)₂R⁴⁴, NHS(O)₂NHR⁴⁵, NHC(O)R⁴⁶, NHC(O)NHR⁴⁷ or NHS(O)₂R⁴⁸, provided none of these last four substituents is linked to a ring nitrogen;

k, l, p and q are, independently, 0, 1 or 2;

R²⁰, R²², R²⁴, R²⁶, R²⁷, R²⁹, R³¹, R³³, R³⁷, R⁴⁰ and R⁵¹ are, independently, hydrogen or C₁₋₆ alkyl;

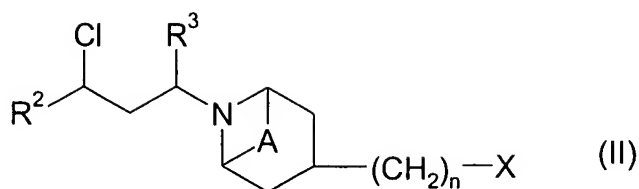
R²¹, R²³, R²⁵, R²⁸, R³⁰, R³², R³⁴, R³⁶, R³⁸, R³⁹, R⁴¹, R⁴², R⁴³, R⁴⁴, R⁴⁵, R⁴⁶, R⁴⁷, R⁴⁸, R⁴⁹, R⁵⁰ and R⁵² are, independently, C₁₋₆ alkyl (optionally substituted by halo, hydroxy, C₁₋₆ alkoxy, C₁₋₆ haloalkoxy, C₃₋₆ cycloalkyl, C₅₋₆ cycloalkenyl, S(C₁₋₄ alkyl), S(O)(C₁₋₄ alkyl), S(O)₂(C₁₋₄ alkyl), heteroaryl, phenyl, heteroaryloxy or phenyloxy), C₃₋₇ cycloalkyl, phenyl or heteroaryl; wherein any of the immediately foregoing phenyl and heteroaryl moieties are optionally substituted with halo, hydroxy, nitro, S(C₁₋₄ alkyl), S(O)(C₁₋₄ alkyl), S(O)₂(C₁₋₄ alkyl), S(O)₂NH₂, S(O)₂NH(C₁₋₄ alkyl), S(O)₂N(C₁₋₄ alkyl)₂, cyano, C₁₋₄ alkyl, C₁₋₄ alkoxy, C(O)NH₂, C(O)NH(C₁₋₄ alkyl), C(O)N(C₁₋₄ alkyl)₂, CO₂H, CO₂(C₁₋₄ alkyl), NHC(O)(C₁₋₄ alkyl), NHS(O)₂(C₁₋₄ alkyl), C(O)(C₁₋₄ alkyl), CF₃ or OCF₃;

R²¹, R²³, R²⁵, R²⁸, R³⁰, R³⁴, R³⁵, R³⁶, R⁴¹, R⁴², R⁴³, R⁴⁵, R⁴⁶, R⁴⁷ and R⁵² may additionally be hydrogen;

or a pharmaceutically acceptable salt thereof or a solvate thereof.

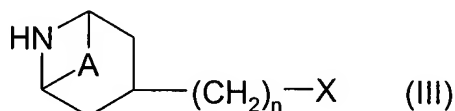
2. (Original) A compound as claimed in claim 1 wherein A is absent.
3. (Currently amended) A compound as claimed in claim 1 ~~or 2~~ wherein n is 1 or 2.

4. (Currently amended) A compound as claimed in claim 1, ~~2 or 3~~ wherein R^3 is hydrogen.
5. (Currently amended) A compound as claimed in claim 1, ~~2, 3 or 4~~ wherein R^1 is $NR^{13}C(O)R^{14}$; ~~wherein R^{13} and R^{14} are as defined in claim 1.~~
6. (Currently amended) A compound as claimed in claim 1, ~~2, 3 or 4~~ wherein R^1 is optionally substituted aryl or optionally substituted heteroaryl, ~~wherein the optional substituents are as recited in claim 1.~~
7. (Currently amended) A compound as claimed in claim 1, ~~2, 3 or 4~~ wherein R^1 is optionally substituted heterocyclyl.
8. (Currently amended) A compound as claimed in ~~any one of the preceding claims~~ claim 1 wherein R^2 is phenyl optionally substituted by halo or CF_3 .
9. (Currently amended) A compound as claimed in ~~any one of the preceding claims~~ claim 1 wherein X is $NR^6S(O)_2R^7$; ~~wherein R^6 and R^7 are as defined in claim 1.~~
10. (Currently amended) A compound as claimed in ~~any one of the preceding claims~~ claim 1 wherein X is $S(O)_2NR^4R^5$; ~~wherein R^4 and R^5 are as defined in claim 1.~~
11. (Original) A process for preparing a compound as claimed in claim 1, the process comprising:
 - a. when R^1 is an N-linked optionally substituted heterocycle, reacting a compound of formula (II):

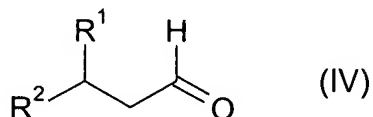


wherein R^2 , R^3 , n , A and X are as defined in claim 1, with a compound R^1H (wherein the H is on a heterocycle ring nitrogen atom) wherein R^1 is as defined above, in the presence of a suitable base, in a suitable solvent and optionally in the presence of sodium iodide;

- b. when R^3 is hydrogen, coupling a compound of formula (III):

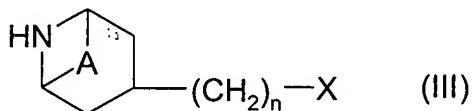


wherein n , A and X are as defined in claim 1, with a compound of formula (IV):

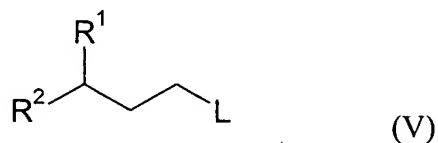


wherein R^1 and R^2 are as defined in claim 1, in the presence of $NaBH(OAc)_3$ in a suitable solvent at room temperature;

- c. when R^3 is hydrogen, coupling a compound of formula (III):

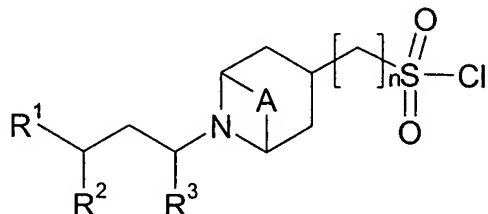


wherein n , A and X are as defined in claim 1, with a compound of formula (V):



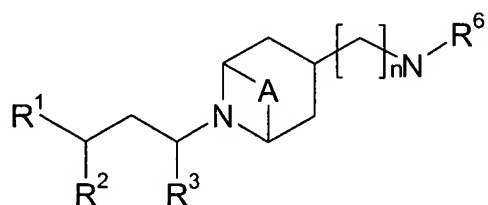
wherein R^1 and R^2 are as defined in claim 1 and L is a leaving group; in the presence of a base, in a suitable solvent at a temperature from $60^\circ C$ up to the boiling point of the solvent;

d. when X is $S(O)_2NR^4R^5$, reacting a compound:



wherein R^1 , R^2 , R^3 , A and n are as defined in claim 1, with NHR^4R^5 , wherein R^4 and R^5 are as defined in claim 1, in the presence of a suitable base and in the presence of a suitable solvent; or,

e. when X is $NR^6S(O)_2NR^7$, reacting a compound:



wherein R^1 , R^2 , R^3 , A and n are as defined in claim 1, with $R^7S(O)_2Cl$, in the presence of a suitable base and in the presence of a suitable solvent.

12. (Original) A pharmaceutical composition which comprises a compound as claimed in claim 1, or a pharmaceutically acceptable salt thereof or solvate thereof, and a pharmaceutically acceptable adjuvant, diluent or carrier.

13-14. (Cancelled)

15. (Original) A method of treating a CCR5 mediated disease state comprising administering to a patient in need of such treatment an effective amount of a compound as claimed in claim 1, or a pharmaceutically acceptable salt thereof or solvate thereof.